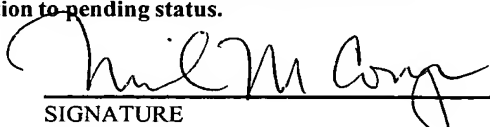


FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 07-2004)		ATTORNEY'S DOCKET NUMBER <b>PU4825USw</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES</b> <b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b> <b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold;">107511055</div>
INTERNATIONAL APPLICATION NO. <b>PCT/US03/11055</b>	INTERNATIONAL FILING DATE <b>11 April 2003</b>	PRIORITY DATE CLAIMED <b>12 April 2002</b>
TITLE OF INVENTION <b>COMPOSITIONS AND METHODS FOR EVALUATING AND DESIGNING NUCLEAR RECEPTOR LIGANDS THAT MODULATE CO-REGULATOR AFFINITY</b>		
APPLICANT(S) FOR DO/EO/US <b>Steven Gerard BLANCHARD; Thomas B. STANLEY; Julie Beth STIMMEL</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol>		
<b>Items 13 to 23 below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <u>EV332062910US</u></li> <li>23. <input checked="" type="checkbox"/> Other items or information:</li> </ol>		
<b>Sequence Listing (paper copy) and Statement to Support; copies of: PCT publication cover page (WO 03/087132 A3); PCT Request; 47 references listed on the attached form PTO-1449 as item nos. 1 and 3-48</b>		

U.S. APPLICATION NO. <b>10/511055</b> INTERNATIONAL APPLICATION NO. <b>PCT/US03/11055</b>		ATTORNEY'S DOCKET NUMBER <b>PU4825USw</b>					
24. The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) :</b> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1080.00</b> <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$920.00</b> <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$770.00</b> <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$730.00</b> <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b> <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>CALCULATIONS PTO USE ONLY</b>  <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"><b>\$750.00</b></td> <td style="width:50%;"></td> </tr> <tr> <td><b>\$0.00</b></td> <td></td> </tr> </table>		<b>\$750.00</b>		<b>\$0.00</b>	
<b>\$750.00</b>							
<b>\$0.00</b>							
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"><b>\$0.00</b></td> <td style="width:50%;"></td> </tr> </table>		<b>\$0.00</b>			
<b>\$0.00</b>							
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE				
Total claims	11 - 20 =	0	x \$18.00				
Independent claims	1 - 3 =	0	x \$86.00				
Multiple Dependent Claims (check if applicable). <input type="checkbox"/>			<b>\$0.00</b>				
<b>TOTAL OF ABOVE CALCULATIONS =</b>			<b>\$750.00</b>				
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.			<b>\$0.00</b>				
<b>SUBTOTAL =</b>			<b>\$750.00</b>				
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).			<b>\$0.00</b>				
<b>TOTAL NATIONAL FEE =</b>			<b>\$750.00</b>				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/>			<b>\$0.00</b>				
<b>TOTAL FEES ENCLOSED =</b>			<b>\$750.00</b>				
			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"><b>Amount to be: refunded</b></td> <td style="width:50%;"><b>\$</b></td> </tr> <tr> <td><b>charged</b></td> <td><b>\$</b></td> </tr> </table>	<b>Amount to be: refunded</b>	<b>\$</b>	<b>charged</b>	<b>\$</b>
<b>Amount to be: refunded</b>	<b>\$</b>						
<b>charged</b>	<b>\$</b>						
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>07-1392</u> in the amount of <u>\$750.00</u> to cover the above fees. c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>07-1392</u> d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</b>							
SEND ALL CORRESPONDENCE TO:							
CUSTOMER NUMBER  <b>23347</b>		<div style="text-align: center;">             SIGNATURE  <b>Michael M. Conger</b>            NAME  <b>43,562</b>            REGISTRATION NUMBER  <b>October 11, 2004</b>            DATE         </div>					

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Steven Gerard BLANCHARD et al.

Docket No.  
**10/511055**  
PU4825USw

Serial No. To be assigned	Filing Date Concurrently herewith	Examiner	Group Art Unit
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Invention: **COMPOSITIONS AND METHODS FOR EVALUATING AND DESIGNING NUCLEAR RECEPTOR LIGANDS THAT MODULATE CO-REGULATOR AFFINITY**

I hereby certify that the following correspondence:

U.S. national phase application for patent under 35 USC 371 and accompanying documents

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

October 12, 2004  
*(Date)*

**Marjorie J. Pfeiffer**

*(Typed or Printed Name of Person Mailing Correspondence)*

*Marjorie J. Pfeiffer*  
*(Signature of Person Mailing Correspondence)*

**EV332062910US**

**Note: Each paper must have its own certificate of mailing.**